Table 3. Loss on ignition values for bulk fly ash and six Cyclade size-classified fly ash fractions.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Aerodynamic Diameters** | **AIR** | **OXY28** | **OXY32** | **OXY36** |
| Bulk fly ash | 2.06 ±1.40 | 1.18 ±1.36 | 0.52 ±0.59 | 0.22 ±0.17 |
| (1) > 7.5µm | 2.14 ±0.19 | 1.98 ±2.00 | 3.60 ±3.10 | 1.30 |
| (2) 3.5 – 7.5µm | 2.80 ±0.15 | 2.71 ±2.24 | 7.68 ±7.55 | 3.29 |
| (3) 2.7 – 3.5µm | 8.16 ±2.69 | 8.51 ±8.37 | 14.24 ±3.15 | 5.74 |
| (4) 1.1 – 2.7µm | 17.95 | 22.45 | 52.47 | 15.14 |
| (5) 0.57 – 1.1µm | 45.20 | n/aa | n/a | n/a |
| < 0.57µm | 76.92 ±4.26 | 92.20 | 85.60 ±6.56 | 59.92 |

an/a samples with insufficient mass to perform LOI analysis.